Samsung GALAXY S 4

SGH-I337M

4G LTE SMARTPHONE

User Manual

Please read this manual before operating your phone, and keep it for future reference.

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Your phone features earSmart™, an intelligent voice processor that delivers a clear voice experience, allowing you to **hear and be heard**™ in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does It Work?

- The earSmart voice processor in your phone captures your voice and all the sounds around you.
- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise - from both ends of a call.
- t also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

IC Notice

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

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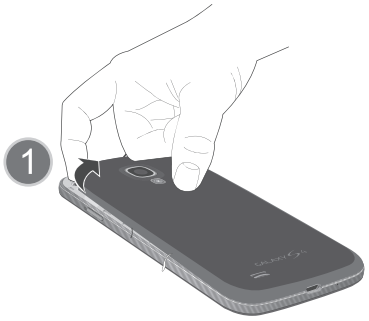
Section 1: Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1. Remove the back cover by inserting a fingernail into the slot on the top of your phone (1).



2. Lift the cover up (2) and to the right of the phone.

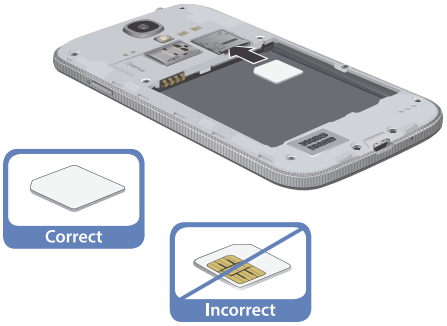
Caution! Do not bend or twist the back cover excessively. Doing so may damage the cover.

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

Important! The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

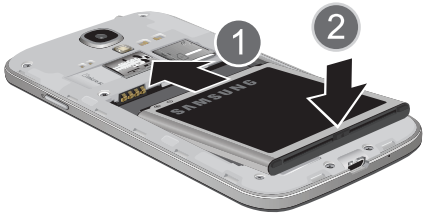
- Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.
  - Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.



Note: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

Installing the Battery

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
2. Gently press down to secure the battery (2).



Removing and Installing the Memory Card

You can use a microSD™ (SD) or microSDHC™ card to expand available memory space if you desire. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This type of memory card is designed for use with this mobile phone and other devices.

Note: Your phone has been tested to support up to a 64GB memory card.

Installing the Memory Card

- Push the microSD card into the slot until it clicks (as shown).
  - Make sure the microSD's gold contact pins face downward and the card is securely inserted.

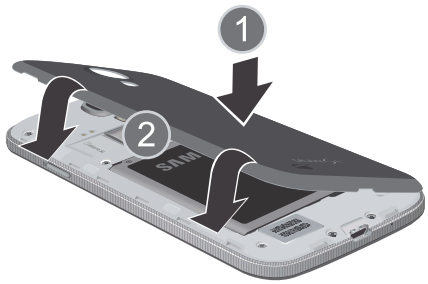
For more information on Memory Cards, see *"Memory Card"* on page 41.

Removing the Memory Card

1. Push on the memory card until it clicks and is released.
2. Grasp the memory card and remove it from the phone.

Installing the Back Cover

1. Place the battery cover onto the back of the phone (1) and press down (2).



2. Press along the edge of the back cover (3) until you have a secure seal.

Note: Make sure the battery is properly installed before switching on the phone.

Charging a Battery

Your device is powered by a rechargeable Li-ion battery. The Travel Charger that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

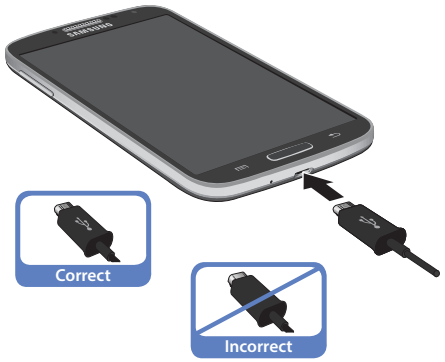
Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Note: Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so will require additional charging time.

Using the Travel Charger

Important! Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.



1. Plug the flat end of the Travel Charger into the Power/ Accessory Interface connector and the other end into a standard AC wall outlet.
2. When charging is finished, remove the flat end from the interface connector jack on the phone.

Warning! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

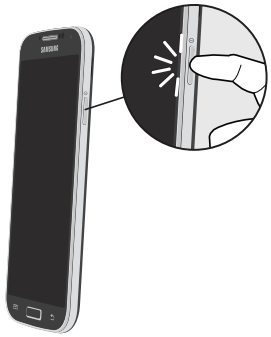
When the battery level becomes too low, the phone automatically turns off.

You can also choose to display a percentage value. Having a percentage value on-screen can provide a better idea of the remaining charge on the battery.

- From the Home screen, tap **Settings** ➔ **My device** ➔ **Display** ➔ **Display battery percentage**.

Switching the Phone On or Off

1. Press and hold until the phone switches on.



2. Swipe your finger across the screen to unlock the phone.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *"Language and input"* on page 127.

3. To switch off the phone, press and hold , until the **Device options** screen displays.
4. Tap **Power off** to switch off the phone.
5. At the **Power off** prompt, tap **OK**.

Locking and Unlocking the Touch Screen

1. Press to lock the touch screen.
2. Press again to display the lock screen then swipe your finger across the screen to unlock.

Note: Note: Swipe is the default screen locking method. To change your screen lock, see *"Lock Screen Settings"* on page 114.

Configuring your Phone

When you first turn on your phone, you will need to set up a few things.

1. The **Welcome!** screen displays. The default language for your phone is English. If you would like to select another language, tap **English** and scroll up or down to select one of the listed languages.
2. If you are visually impaired or hard of hearing, tap **Accessibility** to change the accessibility settings.
3. Tap **Next**.
4. At the **Wi-Fi** screen, set up a Wi-Fi connection if you would like to do that now. For more information, refer to *"Wi-Fi"* on page 153.
5. Tap **Next**.
6. At the **Date and time** screen, tap "Automatic date and time" to use network-provided time or tap "Set date", "Set time" and +Select time zone" and configure the settings.
7. Tap **Next**.
8. At the **End user licence agreement** screen, tap "I understand and agree to the terms and conditions above" to place a checkmark in the selection box. Tap "Yes" to allow Samsung to collect error log data or "No thanks" to prevent data collection.
9. Tap **Next**.
10. At the **Samsung account** display, tap "Create a new account" if you don't have one yet, tap "Sign in" if you have already set up your Samsung account, or tap "Skip" to set up an account later.
11. At the **Make it Google?** display, tap **Yes** if you already have a Google account or **No** if you do not.
12. Follow the on-screen instructions to create a new Google account or sign in to an existing account.

    If you want to wait until later to create a Google account, tap **Not now**.

Note: In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, you will have access to more Google applications and applications will always be in sync between your phone and computer.

13. At the **Google & location** screen, a blue checkmark displays next to the text that explains that you allow Google's location service to collect anonymous location data from your phone. If you disagree, tap the checkmark to remove it.
14. A blue checkmark also displays next to the text that explains that you allows your location to be used for Google search results and other Google services. If you disagree, tap the checkmark to remove it. Tap the **Next** icon .
15. At the **This phone belongs to...** display, enter your **First** and **Last** names in the provided fields so that your phone can personalize some applications. Tap or **Done**.
16. At the **Dropbox** screen, tap **Create a new account** if you don't have one yet or tap **Sign in** if you have already set up your Dropbox account. For more information see *"Dropbox"* on page 166.
17. At the **Learn about key features** display, tap each function to learn more about them.
18. Tap **Next**.
19. At the **Thank you** screen, enter a device name (optional) and tap **Finish** to complete your setup.
    The main Home screen displays.

Creating a Samsung Account

An active Samsung account is required to begin accessing applications such as ChatON and AllShare Play. If you did not create a Samsung account when you first set up your phone, follow these steps:

1. From the home screen, tap ➔ **Settings** ➔ **Accounts** ➔ **Add account**.
2. Tap **Samsung account**.
3. Tap **Create new account**.
4. Enter the required information and tap **Sign up**.
5. At the Welcome screen, tap **Next**.
6. Follow the on-screen instructions to verify your email address and activate your account.

Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

If you did not create a new account during the setup procedure when you first turned your phone on, follow these steps:

1. From the Home screen, tap ➔ **Gmail** .
   The **Add a Google Account** screen displays.
2. Tap **New** to create a new Google account.
   – or –
   If you already have a Google account, tap **Existing** to sign in and add the account to your phone.
3. Follow the on-screen instructions to add a Google Account.

Note: Once you have created a Google account, you only need to sign in.

Retrieving your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to retrieve it:

1. From a computer, use an Internet browser and navigate to http://google.com/accounts.
2. Click on the **Can't access your account?** link.
3. Tap the **I don't know my password** radio button.
4. Enter your Email address and click **Continue**.
5. Follow the password recovery procedure.

Setting Up Your Voice Mail

1. From the Home screen, tap , then tap 1 .
2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From the Home screen, tap , then tap 1 .
   You may be prompted to enter a password.
2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your password.

Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

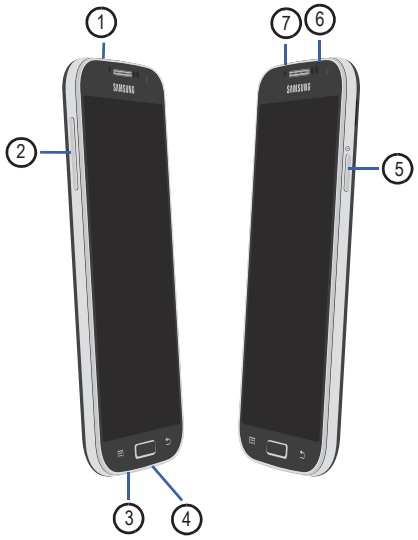
- LTE network (5-6 bands) with 1.9 gigahertz quad-core processor
- Android v 4.2.2, Jelly Bean Platform
- Brilliant 4.99" Full HD Super AMOLED display
- Touch screen provides quick response to in-phone menus and options including applications, multi-windows and up to seven home screens
- Virtual (on-screen) QWERTY keyboard
- Ready access to the Internet
- Built-in Bluetooth and advanced Wi-Fi® technology
- Mobile Hotspot and USB Tethering capability
- Smart Remote using WatchON
- 13 Megapixel camera and camcorder with 2 Megapixel Front Facing camera
- GPS Navigation functionality provides real-time navigation
- HSDPA 7.2 mbps high speed download capability
- Up to 64GB expandable memory slot
- 16 GB memory and 2 GB RAM
- Corporate and Personal Email
- Sync and update social network applications
- Over 650,000 Apps available to download via Google Play Store™ and Samsung Hub
- Access to Movies and TV Shows with Samsung Hub
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Multiple Messaging Options: Text/Picture/Video Messaging, and Instant Messaging with Google Talk™
- DivX Certified® to play DivX® video up to HD 720p, including premium content
- Samsung Link to share media content with DLNA certified devices

Front View of Your Phone

1. **Status light**: displays red when charging, green when fully charged, blue when powering up, and orange when a notification has arrived.
2. **Light (RGB) Sensor:** lets you use the ambient light level to adjust the screen brightness/contrast. This sensor decreases screen brightness in dim light.
3. **External speaker**: allows you to hear the caller.
4. **Application icons**: you can place shortcuts to your favorite applications on the Home screen.
5. **Primary shortcuts**: allows quick access to important features such as Phone, Contacts, Messaging, Internet, and Apps. For more information, refer to *"Primary Shortcuts"* on page 15.
6. **Menu key**: allows you to access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messaging, and Web.
7. **Home key**: allows you to return to the main Home screen from any Home screen or menu. Press and hold to display Recent apps, Task Manager, and Google Search. Quickly press twice to activate the S Voice application.

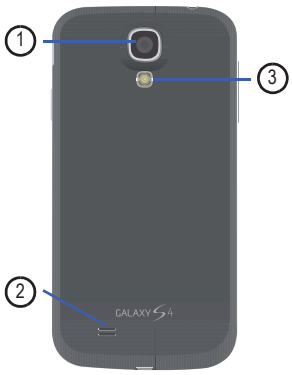
8. **Back key**: allows you step backwards when navigating a menu or web page.
9. **Home screen indicator**: shows which Home screen is presently displayed.
10. **Google Quick Search bar**: a shortcut to Google Search that allows you to search for items on the internet.
11. **Weather widget**: displays Time, Day, Date, Temperature and weather conditions for your area.
12. **Indicator icons**: shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, etc.
13. **Front facing camera**: allows you to take pictures of yourself when you set the camera shooting mode to Self shot.
14. **Proximity and Light sensors**: uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off.

Side Views of Your Phone



1. **3.5mm Headset jack**: allows you to plug in headphones.
2. **Volume keys**: allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key ( ) to mute the ring tone. Adjusts text size when reading a message.
3. **Microphone**: allows other callers to hear you when you are speaking to them. It is also used for the Speakerphone.
4. **Power/Accessory Interface connector**: allows you to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
5. **Power/Lock key**: ( ) lets you power your phone on and off. Also allows you to lock or unlock the touch screen. For more information on locking your phone, see *"Locking and Unlocking the Phone"* on page 27.
6. **Infrared Blaster**: Used to emit infrared signals used for controlling external devices.
7. **Microphone**: used for noise cancellation and stereo recording.

Rear View of Your Phone



1. **Camera lens**: is used to take pictures and shoot videos.
2. **External speaker**: allows you to hear when the Speakerphone is turned on.
3. **Flash**: is used to provide extra light when taking pictures in dark places.

Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to *"Front View of Your Phone"* on page 12.

Primary Shortcuts

There are four non-movable Application Shortcuts that appear at the bottom of all Home screens. The default shortcuts are:

- **Phone** for dialing a number.
- **Contacts** for managing your daily contacts in your Address Book.
- **Messaging** for creating and viewing Messages.
- **Internet** for surfing the Internet.
- **Apps** for accessing the applications on your phone.

You can change the Phone, Messaging, S Note, and Internet application shortcuts to any icon that is displayed in the Apps menu.

For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 35.

Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Flight Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when your phone is in Blocking mode.

Displays when there is a system error or alert.

Displays to indicate a security warning. You are prompted to set a screen lock password.

Displays when a call is in progress.

Displays when a call is on hold.

Displays when the speakerphone is on.

Displays when a call has been missed.

Displays when a call has been muted.

Displays when Call forwarding is set to Always forward. For more information, refer to *"Call forwarding"* on page 54.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Low – Shows your current battery only has between 15 and 28 percent power remaining.

Device Power Very Low – Shows your current battery only has between 5 and 15 percent power remaining.

Device Power Critical – Shows your current battery only has less than 5 percent power remaining and will immediately shutdown.

Displays when your connection to an EDGE network is active.

Displays when your phone is communicating with the EDGE network.

Displays when your connection to a UTMS network is active.

Displays when your phone is communicating with a UTMS network.

Displays when your connection to an HSDPA, HSPA, or HSPA+ network is active.

Displays when your phone is communicating with the HSDPA, HSPA, or HSPA+ network.

Displays when your connection to a 4G LTE network is active.

Displays when your phone is communicating with a 4G LTE network.

Displays when your phone is downloading or has downloaded a file.

Displays when the an outbound file transfer is in progress.

Displays when a Play Store download has completed.

Displays when the phone is connected to a computer via a supported USB cable connection.

Displays when the phone is tethered via a supported USB cable connection.

Displays when a new text or multimedia message is received.

Displays when a new voice mail is received.

Displays when Email is received.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *"S Planner"* on page 176.

Displays when you set an alarm to ring at a specified time. For more information, refer to *"Alarm"* on page 162.

Displays when the Sound profile is set to Mute.

Displays when the Sound profile is set to Vibrate.

Displays when Bluetooth is activated.

Displays when a Bluetooth device has been paired with the phone.

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when there is a Wi-Fi access point available but you are not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).

Displays when Wi-Fi Direct is active and your phone is connected to another device.

Displays when your phone as been configured as a portable Wi-Fi hotspot.

Displays when GPS is active and acquiring a signal.

Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Displays when your phone is connecting to the Device Management server when you first turn on your phone.

Displays when Near Field Communication (NFC) has been activated.

Displays when your device is being used to control streaming media and is connected to a Digital Living Network Alliance (DLNA) certified device using the Samsung Link application.

Displays when a file is being uploaded or sync'd between your device and an external Web storage location.

Displays when the uploaded or transferred file was successfully delivered.

Displays when a screen capture has been taken.

Displays when the keypad is active.

Displays when an emergency call is taking place.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 105.

Application Icons

The Apps menu provides quick access to the items you use most frequently.

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

For information on navigating through the Apps icons, see *"Navigating Through the Application Menus"* on page 28.

1. From the Home screen, tap then tap one of the application icons.
2. Follow the on-screen instructions.
3. To return to the main Home screen, tap .

The following applications are available:

Calculator: Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator. For more information, refer to *"Calculator"* on page 161.

Camera: Use your 8.0 megapixel camera feature to produce photos and videos. For more information, refer to *"Camera"* on page 84.

ChatON: With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can also chat in groups. For more information, refer to *"ChatON"* on page 162.

Chrome: The Google Chrome app allows you to use the Google Chrome web browser on your camera. For more information, refer to *"Chrome"* on page 162.

Clock: The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and setup a Desk Clock. For more information, refer to *"Clock"* on page 162.

Contacts: You can manage your daily contacts by storing their name and number in your Address Book. For more information, refer to *"Contacts and Your Address Book"* on page 60.

Downloads: The Downloads application allows you to manage all of your downloads from the Play Store and the Browser. For more information, refer to *"Downloads"* on page 165.

Dropbox: Dropbox lets you synchronize files between your phone, computers, and the Dropbox website. For more information, refer to *"Dropbox"* on page 166.

Email: Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 99.

Flipboard: This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. For more information, refer to *"Flipboard"* on page 166.

Gallery: The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 81.

Gmail: Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 100.

Google: The Google Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, see *"Google Search Bar"* on page 25.

Google+: makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to *"Google+"* on page 103.

Group Play: Group Play allows you to share pictures, music, and documents in real-time with your friends. For more information, refer to *"Group Play"* on page 167.

Help: The Help application allows you to get more information on your phone features, applications, settings, accessories, and access to online help. For more information, refer to *"Help"* on page 167.

Internet: Open the web browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet"* on page 147.

Local: Local is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and more. You can also add your own locations. For more information, refer to *"Local"* on page 168.

Maps: Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends. For more information, refer to *"Maps"* on page 168.

Messaging: You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 92.

Messenger: Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. For more information, refer to *"Messenger"* on page 103.

Music: Music allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music"* on page 76.

My Files: My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location. For more information, refer to *"My Files"* on page 170.

Navigation: Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination. For more information, refer to *"Navigation"* on page 171.

Optical Reader: The Photo reader allows you to use your camera to identify text and extract useful information. For more information, refer to *"Optical Reader"* on page 172.

Phone: Allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 43.

Play Books: With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore. For more information, refer to *"Play Books"* on page 172.

Play Magazines: With Google Play Magazines, you can subscribe to your favorite magazines and have them available to read on your phone at any time or any place. For more information, refer to *"Play Magazines"* on page 172.

Play Movies: With Google Play Movies, you can rent thousands of different movies. You can watch instantly, or download your movie for offline viewing at a later time. For more information, refer to *"Play Movies"* on page 81.

Play Music: With the Music application, while online, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *"Google Play Music"* on page 79.

Play Store: The Play Store provides access to downloadable applications and games to install on your phone. For more information, refer to *"Play Store"* on page 173.

Polaris Office 5: Polaris® Office 5 is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline. For more information, refer to *"Polaris Office 5"* on page 174.

S Health: S Health is a wellness application that allows you to better manage your health by providing you with relevant information. For more information, refer to *"S Health"* on page 174.

S Memo: Use this application to create memos using existing templates or your own design. You can use handwriting or the keyboard to enter text. For more information, refer to *"S Memo"* on page 174.

S Planner: With the S Planner application, you can consult the calendar by day, week, month, year, create events, and set an alarm to act as a reminder, if necessary. For more information, refer to *"S Planner"* on page 176.

S Translator: With the S Translator you can easily translate words and phrases into many different languages. For more information, refer to *"S Translator"* on page 178.

S Voice: With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc. For more information, refer to *"S Voice"* on page 178.

Samsung Apps: Samsung Apps allows you to easily download many different types of applications to your phone. You can download games, news, reference, social networking, navigation, and other applications. For more information, refer to *"Samsung Apps"* on page 179.

Samsung Hub: Samsung Hub is Samsung's integrated store for media content that offers a comprehensive and consistent media service experience. You can browse and purchase all media content within a single store front. For more information, refer to *"Samsung Hub"* on page 179.

Samsung Link: With the Samsung Link app, you can share and play content across smart devices anytime and anywhere. For more information, refer to *"Samsung Link"* on page 179.

Settings: This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 105.

Story Album: With Story Album, you can create a digital Album of your story in media. Special moments will be on a timeline, and if you wish, you can have your album published as a hard copy. For more information, refer to *"Story Album"* on page 179.

Talk: Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Google Talk"* on page 102.

TripAdvisor: With the TripAdvisor, you can plan and have your perfect trip. With over 75 million reviews and opinions by travelers, it is easy to find the best hotels, restaurants, and fun things to do. For more information, refer to *"TripAdvisor"* on page 180.

Video: The Video application plays video files stored on your microSD card. For more information, refer to *"Video"* on page 180.

Voice Recorder: The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message. For more information, refer to *"Voice Recorder"* on page 180.

Voice Search: The Google Voice Search application allows you to search the web using only your voice. For more information, refer to *"Voice Search"* on page 181.

WatchON: With the Samsung WatchON application, you can use your phone as a remote control for your TV. For more information, refer to *"Settings"* on page 179.

YouTube: YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format. For more information, refer to *"YouTube"* on page 185.

Tip: To open applications quickly, add the icons of frequently-used applications to the Home screen or to the folders you created. For details, see *"Customizing Your Home Screen"* on page 34.

Google Search Bar

The Google Search Bar provides you an on-screen Internet search engine powered by Google™.

1. From the main home screen, tap the Google Search bar .
2. Use the on-screen keypad to enter the item you want to search for, then tap .
3. Tap to use Google Voice Search. Follow the on-screen instructions.

Menu Navigation

You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus. Your phone originally has three home screens but you can expand up to seven home screens.

Command Keys

Menu Key

Press **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Press **Home** to display the main Home screen. Press and hold to display recently used apps and access the Task manager.

Back Key

Press **Back** to return to the previous screen, option or step.

Terms used in this user manual

Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe and Palm Swipe

To swipe, lightly drag your finger vertically or horizontally across the screen. Use swipe when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

- Capturing the screen

Panning

To pan, touch and hold a selected icon, then move the device to the left or right to reposition it to another page. You must first activate Motion on your device. Use panning to:

- Move icons on your Home screens or Application Menus to another page.

Tilt

To activate the tilt feature, press and hold two points on the screen then tilt the device back and forth to reduce or enlarge the screen. Use tilt to:

- Reduce or enlarge the screen in the Gallery or Browser.

Turn over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

Using Motions and Gestures

By activating the various motion and gesture features, you can access a variety of time saving functions.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap **Apps** ➔ **Settings** ➔ **My device** ➔ **Motions and gestures**. When tapped, each entry comes with an on-screen tutorial.

- **Air gesture**: Allows you to control your device by performing motions above the sensor (without touching the device).
- **Motion**: Allows you to control your device using natural movements (on the screen).
- **Palm motion**: Allows you to control your device by touching the screen with your entire hand.
- **Gyroscope calibration**: Allows you to properly calibrate your device's touch screen.

To activate Air gesture:

1. From the Home screen, press and then tap **Settings** ➔ **My device** ➔ **Motions and gestures** ➔ **Air gesture**.

2. Tap the ON/OFF slider located to the right of **Air gesture** to turn it on .
   The Air gesture icon will appear in the status bar.
3. Read the on-screen notification and tap **OK**.

Note: At least one feature must be activated before Air gesture can be activated.

4. Tap **Learn about the sensor and icon** field to review on-screen information about the Air gestures sensor and related icon.
5. Tap the ON/OFF slider located to the right of each feature to turn it on .

To activate Motion:

1. From the Home screen, press and then tap **Settings** ➔ **My device** ➔ **Motions and gestures**.
2. Tap the ON/OFF slider located to the right of **Motion** to turn it on .
3. Read the on-screen notification and tap **OK**.

Note: At least one feature must be activated before Motion can be activated.

4. Tap the ON/OFF slider located to the right of each feature to turn it on .

To activate Palm Motion:

1. From the Home screen, press and then tap **Settings** ➔ **My device** ➔ **Motions and gestures**.
2. In a single motion touch and slide the **Palm motion** slider to the right to turn it on.
3. Read the on-screen notification and tap **OK**.

Note: At least one feature must be activated before Palm motion can be activated.

4. Tap the ON/OFF slider located to the right of each feature to turn it on .

For more information, refer to *"Motions and Gestures"* on page 131.

Locking and Unlocking the Phone

To unlock your phone:

1. Press the lock button ⏻ located on the upper right side of your phone.
2. The lock screen will display with **Swipe screen to unlock** displayed at the bottom of the screen.
3. Swipe the touch screen in any direction.
4. The Home screen will be displayed.

Note: There are several additional ways you can lock your screen. For more information, refer to *"Security"* on page 137.

Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing ⌂.

Navigating Through the Home Screens

Your phone originally has three home screens but you can expand up to seven home screens. If you like, you can place different applications on each of the home screens.

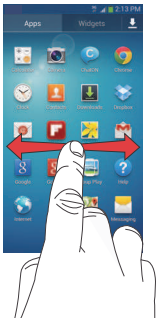
- From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with a Home screen on each side.

Navigating Through the Application Menus

Your phone initially has three Application Menus available. Follow these steps to navigate through the Application Menus:

1. At the Home screen, tap ⋮⋮⋮. The first Application Menu will be displayed.
2. Sweep the screen left or right to access the other two menus.

3. Tap one of the application icons.



Note: As you add applications, the number of Application menus that you have available will increase.

Navigating Using Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Internet.

To access a sub-menu:

1. Press .

A sub-menu will appear at the bottom of the phone screen.

2. Tap an option.

Accessing Recently-Used Apps

1. Press and hold from any screen to open the recently-used applications window.
2. Tap an icon to open the selected application.

– or –

Tap to go to the Task manager.

– or –

Tap to go to Google Search.

– or –

Tap to delete the record of all recently used applications.

Using the Multi Window

This feature allows you to run multiple applications on the current screen at the same time.

Note: Only applications found within the Multi window panel can be active atop another current application on the screen. When launching applications that contain multimedia files (music/video), audio from both files will be played simultaneously.

Turn on Multi window

The Multi window function is turned off by default. To turn it on, see *"Accessing Additional Panel Functions"* on page 41.

Activating and Deactivating Multi window

To activate Multi window:

1. Press and hold the **Back** key ( ). The Multi window tab appears (by default) on the left side of the screen.

Note: Initially open activation, the entire apps panel is briefly displayed, then minimized to only show the tab.

2. Tap the tab to open the application panel showing all the available Multi window apps.

To deactivate Multi window:

- Press and hold the **Back** key ( ). This action hides the Multi window tab from view.

Repositioning the Multi Window

The Multi window contains two components: tab and apps panel. The tab can be manually moved across the screen. The apps panel (containing the scrollable apps) can be relocated to lock onto the different sides of the screen (top/bottom/left/right).

To move the tab:

1. Activate the Multi window feature.

2. In a single motion, touch and hold the tab for approximately one second, then slowly drag it to its new location **along the current** screen edge.

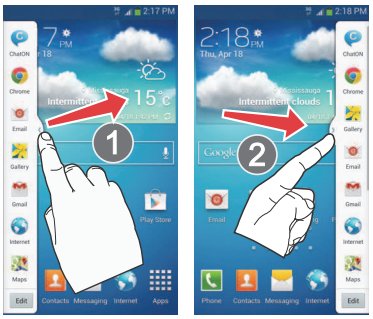
Note: This is a quick way to get the tab out of the way if you can't get to a button or option behind it.

To relocate the Multi window apps panel:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).

Note: Notice that when the apps are visible, the tab turns a dark grey. Its only in this state that the entire panel can be relocated.

3. In a single motion, touch and hold the tab for approximately one-second to detach it from the screen (1), then slowly drag it to its new location **along any other** available screen edge (2). You can move it to the top, bottom, or either side.



Customizing the Multi Window apps

The applications found within the apps panel of the Multi window can be organized by either being rearranged or removed.

To rearrange the Multi window applications:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. In a single motion, touch and hold a desired app until it detaches from the panel, then carefully drag it to a new location in the list of apps. Lift your finger or stylus off the screen to let go of the app and drop it into its new location.

To remove a Multi window application:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. Tap the **Edit** button (located at the bottom of the list) to reveal a staging area that can house any removed applications from the Multi window panel.
4. Tap **Done** once you have completed the removal process.

To restore a Multi window application:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. Tap the **Edit** button (located at the bottom of the list) to reveal the staging area containing any previously removed apps.
4. Locate the desired application.
5. In a single motion, touch and hold a desired app until it detaches from the staging area, then carefully drag it to a new location in the current list of apps.

Using Multi Window to run multiple apps on the same screen

Any of the apps found within the Multi window panel can be run at the same time as a current on-screen app.

Once multiple apps are running on the same screen, you can then choose to either swap their positions or maximize a desired app.

Note: Only applications found within the Multi-window panel can be active atop another current application on the screen.
When launching applications that contain multimedia files (music/video), audio from both files will be played simultaneously.

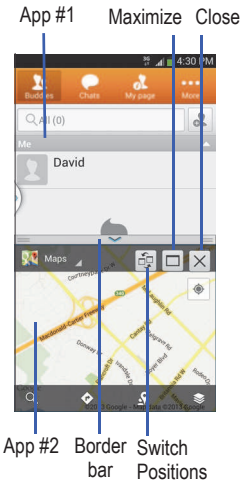
In this example we will be launching both the Internet and Maps applications.

1. Launch an application such as Maps.
   - From the Home screen, tap **Internet** .
2. Activate the Multi window feature.
3. Tap the tab to display the apps panel.
4. Touch and hold the desired app, such as Maps, until it detaches from the panel.
5. In a single motion, drag it over the current app and drop the new Multi window app over either the top or bottom area of the current on-screen app.

Note: Once two applications are running, the device displays a split screen view containing both the initial app and the new Multi window app. Each application is still independent of the other.

To switch the arrangement of the applications:

1. With the two applications shown in a split screen, tap the Border bar to show the on-screen icons.
2. Tap the desired application area (top or bottom).
3. Locate and tap (**Switch app location**). The current apps are switched.



To increase the size of a desired application window:

1. With the two applications shown in a split screen, locate the Border bar indicating the edge of the app window.
2. In a single motion, touch and hold the Border bar then drag it to resize the desired window.

To split the current applications:

1. With the two applications shown in a split screen, tap the Border bar to show the on-screen icons.
2. Tap the desired application area (top or bottom).
3. Locate and tap (**Maximize the app**). The current apps are the both maximized.

■ To exit the Multi window app, tap .

Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Creating Shortcuts
- Adding and Removing Primary Shortcuts
- Adding and Removing Widgets
- Moving Icons in the Apps Menu
- Creating Application Folders
- Adding a New Page to the Application Menu
- Changing the Wallpaper
- Adding and Deleting Home Screens
- Moving Home Screens

Creating Shortcuts

Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

Note: To move a shortcut from one screen to another, it must first be deleted from its current screen. Navigate to the new screen, then add the shortcut.

Adding a shortcut from the Apps Menu

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Tap to display your current applications.
4. Scroll through the list and locate your desired application.
5. Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the **Apps** tab.

6. While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

Adding a shortcut via the Add to Home screen

1. Press [Home] to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the Home screen.
4. Tap **Apps and widgets**, **Folder**, or **Page**.
5. Press and hold a shortcut from the available list and position it on the current screen.

Deleting a shortcut

1. Press [Home] to activate the main Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
3. Drag the icon over the **Remove** icon and release it.

   As you place the shortcut into the Trash, both items turn red.

Note: This action does not delete the shortcut, it just removes it from the current screen.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the **Apps** shortcut.

1. Press [Home] to activate the main Home screen.
2. Touch and hold the primary shortcut you want to replace, then drag it to an empty space on any Home screen.
3. Scroll through the App menu to find the shortcut you want to add as the new primary short cut.
4. Touch and hold the new shortcut, then drag it to the empty space in the row of primary shortcuts.

   The new primary shortcut will now appear on all Home screens.

Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget appears as an on-screen application.

Adding a Widget

1. Press [Home] to activate the main Home screen.
2. Navigate to the desired Home Page.

3. Touch and hold on an empty area of the screen.
4. Tap **Apps and widgets**.
5. Tap the **Widgets** tab at the top of the screen.
6. Press and hold an available Widget to position it on the current screen, then release the Widget.

Removing a Widget

1. Touch and hold a Widget until you can move it around on the screen.
2. Drag the Widget up to the **Remove** icon and release it.

   As you place the Widget into the Trash, both items turn red.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

Moving Icons in the Apps Menu

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **View type**.
5. Tap **Customizable grid**. A green circle will appear next to the option.
6. Press and tap **Edit**.
7. Scroll through the list and locate the icon you wish to move.
8. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
9. Tap **Save**.
10. Press to return to the Home screen.

Creating Application Folders

You can create application folders to hold similar applications if you wish.

To create a folder follow these steps:

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **Edit**.

5. Touch and hold the first application that you would like to move to a folder.
6. Drag the icon up to the **Create folder** icon.
7. Enter a folder name and tap **OK**.

   A folder is displayed in the original place of the application icon with the application icon displayed on top of it. You can now drag other Apps into the folder.
8. To view information on an App, drag the App icon up to the App info icon to view information on the application.
9. Tap **Save**.

Adding a New Page to the Application Menu

You can add a new page to your application menu by following these steps:

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **Edit**.
5. Touch and hold the first application that you would like to move to a new page.
6. Drag the icon up to the **Create page** icon.
7. Tap **Save**.

   The app will appear on a new page.

Changing the Wallpaper

You can change the Wallpaper (background) of your home screens by following these steps:

1. From any Home screen, touch and hold on an empty area of the screen.

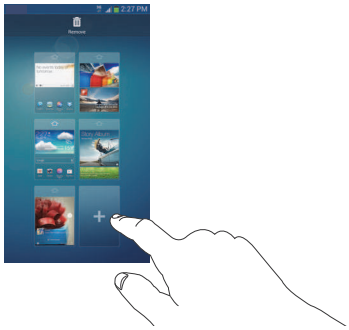
   The **Home screen** window is displayed.
2. Tap **Set wallpaper**.
3. Select the location where you would like to change the wallpaper. Tap **Home screen**, **Lock screen**, or **Home and lock screens**.
4. Tap one of the following options:
   - **Gallery**: select a wallpaper from photographs you have taken with your camera.
   - **Live wallpapers**: select an animated wallpaper. This option is not available for the Lock screen option.
   - **Wallpapers**: select from many still-life wallpapers.
5. Select a wallpaper and tap **Set wallpaper**, **Done**, or **Cancel**.

Adding and Deleting Home Screens

You can add and delete Home screens. You can have up to seven Home screens.

To add a new Home screen:

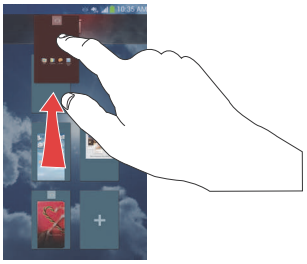
1. Press ▬ to activate the main Home screen.
2. Press ▤ and tap **Edit page**.
3. Tap the Home screen that contains +.
   A new screen is added.
4. If desired, touch and hold the new screen and drag it to a different location.



5. Press ▬ to return to the main Home screen.
   You can now add items to your new Home screen.

To delete a Home screen:

1. Press ▬ to activate the main Home screen.
2. Press ▤ and tap **Edit page**.
3. Touch and hold the Home screen you want to delete.
4. Drag it to the trash can located at the bottom of the screen. The page will turn red.



5. If there are items on the Home screen that you want to delete, the **Remove home screen page** prompt is displayed.

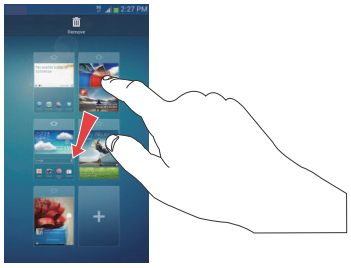
6. Tap **OK** to delete the page and its contents, otherwise tap **Cancel**.
7. Press [Home] to return to the main Home screen.

Moving Home Screens

You can arrange your Home screens in any order that you want.

To move a Home screen, follow these steps:

1. Press [Home] to activate the main Home screen.
2. Press [Menu] and tap **Edit page**.
3. Touch and hold the Home screen you want to move.



4. Drag it to the location that you would like to place it.

In this example, the Dual clock app screen is moved to the last position.

When you move a Home screen, the other Home screens are be re-ordered automatically.

5. Press [Home] to return to the main Home screen.

Notification Bar

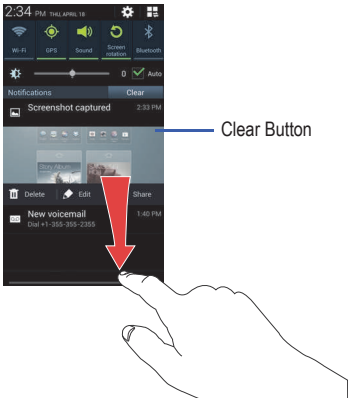
The Notification Bar includes a pull-down list to show information about processes that are running, recent notifications, and alerts. To display the Status indicator:

- On the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.

Clearing Notifications

To clear all notifications from the Notification panel:

1. From the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.



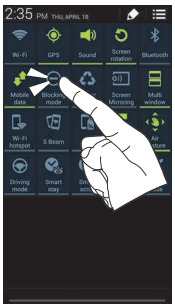
2. Tap the **Clear** button.

   The notifications are cleared and the panel closes.

Accessing Additional Panel Functions

In addition to notifications, the Notification panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off. You can choose the functions that will be displayed.

1. From the notification panel, tap to display additional options.



The following functions (default) can either be activated (green) or deactivated (gray): Wi-Fi, GPS, Sound, Screen rotation, Bluetooth, Mobile data, Blocking mode, Power saving, Screen Mirroring, Multi window, Wi-Fi hotspot, S Beam, NFC, Air view, Air Gesture, Driving mode, Smart stay, Smart scroll, Sync, and Flight mode.

2. Tap then locate the Notifications panel area located at the bottom of the Notifications panel screen.
3. In a single motion, touch and hold a desired function then drag it to the top row.

Memory Card

Your device lets you use a microSD™, microSDHC™ or microSDXC™ card (“SD card”) to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device’s SD functionality.

Mounting the SD Card

To store additional photos, music, videos, and other applications, you must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

1. Insert the SD card into the external, SD card slot. For more information, refer to *"Removing and Installing the Memory Card"* on page 2.
2. Your SD card is scanned to see the available information on it.

Unmounting the SD card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the Home screen, tap ➔ **Settings** ➔ **More** ➔ **Storage**.
2. Scroll to the bottom of the display and tap **Unmount SD card**.
3. Tap **OK**.

   For more information, refer to *"Removing and Installing the Memory Card"* on page 2.

SD card Available Memory Status

To view the memory allocation for your external SD card:

1. From the Home screen, tap ➔ **Settings** ➔ **More** ➔ **Storage**.
2. The available memory for Device and SD card displays under the **Total space** and **Available space** headings.

Erasing Files from the SD card

You can erase files from the SD card using the phone.

1. Ensure the SD card is mounted. For more information, refer to *"Mounting the SD Card"* on page 42.

1. From the Home screen, tap ➔ **Settings** ➔ **More** ➔ **Storage**.
2. Tap **Format SD card**.
3. At the **Format SD card** confirmation prompt, tap **Format SD card**.

Warning! Performing the next step erases all data stored on the SD card.

---

4. Tap **Erase everything** to format or press to cancel.

Section 3: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

For more information, refer to *"Sound Settings"* on page 117.

Displaying Your Phone Number

- Tap → **Settings** → **More** → **About device** → **Status**. Your phone number is displayed in the **My phone number** field.

Making a Call

1. From the Home screen, tap and use the on-screen keypad to enter the number you wish to dial.
2. Tap to make the call.

Note: When you activate the **Auto redial** option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, refer to *"Call Settings"* on page 54.

Making an International Call

1. From the Home screen, tap then touch and hold 0 +. The **+** character appears.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
   - If you make a mistake, tap until the desired numbers have been deleted.
3. Tap to make the call.

Manual Pause Dialing

To manually call a number with pause(s) without storing it in your Contacts list:

1. From the Home screen, tap and use the on-screen keypad to enter the phone number.
2. Press to display the dialer sub-menu.
3. Tap **Add 2-sec pause** to add a two second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than two seconds by entering multiple two second pauses.

4. Select **Add wait** to add a wait. A wait will pause the calling sequence until you enter a number or press a key.
5. Tap to make the call.

For more information, refer to *"Adding Pauses to Contact Numbers"* on page 61.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

- After entering a number using the keypad:
  - If you make a mistake, tap to erase a single character.
  - Press and hold to erase the entire string of numbers.

Ending a Call

- Tap the key.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Address Book, the associated name is also displayed.

1. From the Home screen, tap .
2. Tap the **Logs** tab.

A list of recent calls is displayed.

3. Tap the desired Contact to enter the **Details** page, then tap to make a call.

Making Emergency Calls

If you do not have a SIM card installed the first time you turn on the phone, the **Insert SIM card to make calls** message displays and an animated tutorial shows you how to install the SIM card.

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

Making an Emergency Call without a SIM card

1. Tap **Emergency call** from the on-screen display to make an emergency call.
2. Enter 9-1-1 and tap . Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
3. Tap to exit this calling mode.

Note: This mode can drain your battery power more rapidly than normal calling mode.

Making an Emergency Call with a SIM card

1. From the Home screen, tap .
2. Enter the emergency number (ex: 911) and then tap .
3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

1. From the Home screen, tap **Contacts** to display your Contacts List.
2. Press to display the Contacts List sub-menu.
3. Tap **Speed dial setting**.
4. The **Speed dial setting** screen displays showing the numbers 1 through 9. The number 1 is reserved for Voicemail.
5. Tap an unused number and the **Select contact** screen displays.
6. Select a contact to assign to the number. The selected contact number will display in the speed dial number box.
7. To remove a speed dial number or change the order, press to display the Speed dial setting sub-menu.
8. Tap **Change order** or **Remove**.
9. To make a call using Speed Dial, tap → **Keypad** and from the Dialer, touch and hold the speed dial number.

Making a Call from the Address Book

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the **Address Book**.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 62.

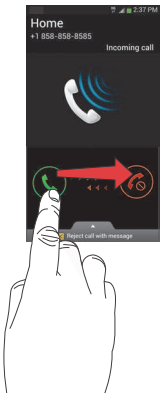
Answering a Call

When a call is received the phone rings and displays the caller's phone number, or name if stored in the Address Book.

1. At the incoming call screen:
   - Touch and drag in any direction to answer the call.
   - Touch and drag in any direction to reject the call and send it to your voicemail.
   - Touch and drag the **Reject call with message** tab upward and tap a predefined text message to send to the caller.
     - I'm driving
     - I'm at the cinema
     - I'm in class
     - I'm in a meeting
     - Sorry, I'm busy. Call back later.

   – or –

     - Tap **Create new message** to compose a new message.



2. Tap to end the call.

Note: You can answer a call while using the Address Book or other menu feature. After ending the call, the phone returns to the previously active function screen.

Dialing Options

From the Home screen and Application menus, you have the option to access the Dialer and initiate a call by tapping → **Keypad**. From the Dialer and the Contacts screen, the following tabs are located at the top of your screen:

- **Keypad**: dials the current number entered using the on-screen keypad.
- **Logs**: displays a list of all dialed, received, and missed calls.
- **Favourites**: displays your contacts that you have marked as Favourites.
- **Contacts**: takes you to your Address Book where you can select a contact to call.

After you begin to enter numbers, the **Add to Contacts** option appears so you can save the Contact if needed.

Call Log

The phone stores the numbers of the calls you've dialed, received, or missed in the Call log. The Call log displays the details of the call.

1. From the Home screen, tap .
2. Tap the **Logs** tab.

   A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- **Incoming Calls**:
- **Outgoing Calls**:
- **Missed Calls**:
- **Rejected Calls**:
- **Auto Rejected Calls**:

Calling Back a Missed Call

To call back a missed call number:

1. From the Home screen, tap → **Logs** .

   A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

2. Swipe the desired missed call to the right to call.

   – or –

   Swipe the desired missed call to the left to message.

Saving a Recent Call to your Address Book

1. From the Home screen, tap → **Logs**.

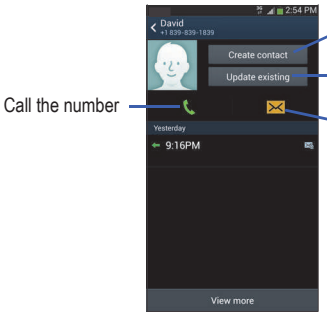
   A list of recent calls is displayed.

2. Tap the call you want to save to your Address Book.
3. The call detail page is displayed. Tap **Create contact** to add the call to your Address Book.

   The Create contact screen is displayed.

   – or –

   If you want to replace the number for an existing contact, tap **Update existing**.



4. Enter information into the various fields using the keypad.
5. Tap **Save** to save when you are finished.

For further details about the **Address Book** feature, see *"Adding a New Contact"* on page 60.

Sending a Message to a Recent Call

1. From the Home screen, tap → **Logs**.

   A list of recent calls is displayed.

2. Swipe the entry you want to message to the left.

3. At the Message screen, tap the empty text field and use the on-screen keypad to type in a message.
4. When you are done with your message, tap to send.

   For more information, refer to *"Creating and Sending Messages"* on page 92.

Deleting a Call from the Call Log

1. From the Home screen, tap ➔ **Logs** .
   A list of recent calls is displayed.
2. Touch and hold the call you want to delete from the Call log.
3. Tap **Delete**.
4. At the **Delete log** prompt, tap **Delete**.
   The call is deleted from the Call log.

Adding a Call to the Reject List

1. From the Home screen, tap ➔ **Logs** .
   A list of recent calls is displayed.
2. Touch and hold the call you want to add to the Reject List.
3. Tap **Add to reject list**.
4. At the **Add to reject list** prompt, tap **OK**.
   Future calls from this number will be rejected and sent to your voicemail.

Call Duration

1. From the Home screen, tap ➔ **Logs** .
2. Press ➔ **Call duration**.
3. The following times are displayed for Voice and Data:
   - **Last call**: shows the length of time for the last call.
   - **Dialed calls**: shows the total length of time for all calls made.
   - **Received calls**: shows the total length of time for all calls received.
   - **All calls**: shows the total length of time for all calls made and received.
4. You may reset these times to zero by pressing then tapping **Reset**.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the earpiece volume, use the **Volume** keys on the left side of the phone.

- Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

  – or –

  Quickly add more volume to the incoming audio by tapping the on-screen Extra volume button

From the Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call there are several functions available by tapping a corresponding on-screen button.

- **Hold**: place the current active call on hold.
- **Add call**: displays the dialer so you can call another person.
- **Keypad**: displays the on-screen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- **End call**: terminates the call.
- **Speaker**: routes the phone's audio through either the speaker or through the earpiece.
  - Tap **Speaker** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line will appear under the Speaker button.
  - Tap **Speaker** again to use the phone's earpiece (see *"Using the Speakerphone During an Active Call"* on page 53). The green line will disappear when Speaker is not activated.
- **Mute/Unmute** turn the onboard microphone either on or off.
  - Tap **Mute** during a call to mute the microphone. A green line will appear under the Mute button.
  - Tap **Mute** again to unmute the microphone. The green line will disappear when Mute is not activated.
- **Headset** connects to a Bluetooth headset.
  - Tap **Headset** during a call to activate a Bluetooth headset. A green line will appear under the Headset button.
  - Tap **Headset** again to de-activate the Bluetooth headset. The green line will disappear when the Headset is not activated.
- Press for more options:
  - **Contacts**: allows you to go to your Contact list.
  - **Memo**: allows you to write a memo.
  - **Message**: allows you to write a message during a call.

Personalizing the Call Sound Setting

During a call it may be necessary to adjust the sound of the incoming call by selecting an audio equalizer setting for the current call.

1. From the call screen, tap .
2. Confirm the option is enabled .
3. Select an available option. Choose from: Adapt Sound, Soft sound, Clear sound, and Off.

Activating Noise Reduction

During a call it may be necessary to activate the noise reduction feature. Activating this feature can improve the quality of your conversation by reducing ambient noise.

Noise reduction is on by default.

1. Press to turn Noise reduction off.
2. Press to turn Noise reduction on.

Placing a Call on Hold

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress if your network supports this service.

1. While on a call, tap **Hold** . This action places the current caller on hold.
2. You can later reactivate this call by tapping **Unhold** .

To make a new call while you have a call in progress

1. Tap **Hold** .
2. Tap **Add call** to display the dialer.
3. Enter the new number and tap .

   Once connected, the active call will appear in a large box at the top of your screen and the call on hold will appear in a smaller box in the middle of your screen.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap **Swap**.

   The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call will appear in a green box.
2. Tap to end the currently active call.

To end a specific call

1. Tap **Swap** until the call you want to end appears in a green box.
2. Tap to end the specific call.
3. Tap to end the remaining call.

To answer a call while you have a call in progress

1. Tap and slide to the right to answer another call.
2. Tap **Putting "Name/Number" on hold** to put the first call on hold.

   – or –

   Tap **Ending call with "Name/Number"** to end the first call.
3. To switch between the two calls, tap **Swap**.
   - **Swap**: Places the current call on hold and then activates the previous call. The active call will appear in a green box. Tap **Swap** again to switch back.

To end a call on hold

1. Tap to disconnect the active call.
2. The call on hold will now become the active call. Tap to end the call.

3-Way Calling (Multi-Party Calling)

The 3-Way or Multi-Party feature allows you to answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together. You are notified of an incoming call by a call waiting tone.

Note: The **Merge** option combines all of the calls you have established with your phone (both active and on hold). **Swap** places the current call on hold and then activates the previous call.

This feature joins all of the calls you have established with your phone (both active and on hold) into a multi-party call.

1. Tap and slide to the right to answer the call.
2. Tap and slide to the right to answer the next call.
3. Tap **Putting "Name/Number" on hold** to put the first call on hold.
4. Join the first two callers into a single multi-party call by tapping **Merge** .
5. To temporarily leave the conference call, tap **Hold** .

   To rejoin the conference call tap **Unhold** .

6. Tap to end the call.

Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

1. Tap **Speaker** .
   The **Speaker** button now appears as and the speakerphone is activated.
2. Use the **Volume** keys (located on the left side of your phone) to adjust the volume.
3. To deactivate the speakerphone, tap **Speaker** .

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You wish to say something to person in the room, but do not want the person on the phone to hear you.

To mute your phone during a call

1. Tap **Mute** .
   The **Mute** button now appears as and Mute is activated.
2. Tap **Mute** to deactivate the Mute function and reactivate the microphone.

Bluetooth headset

1. Tap **Headset** .
2. The phone will scan for your Bluetooth headset. When found, connect to the headset.
   The **Headset** button now appears as and the Bluetooth headset is activated.
3. Tap **Headset** to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Address Book

1. During the active call, press then tap **Contacts**.
2. Tap the Address Book entry.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 62.

Call waiting

The Call Waiting feature allows you to answer an incoming call while you have a call in progress, if this service is supported by the network, and you must first activate the Call Waiting feature:

- From the Home screen, tap → → **Call settings** → **Additional settings** →**Call waiting**.

  You are notified of an incoming call by a call waiting tone.

Call forwarding

1. From the Home screen, tap → → **Call settings** → **Additional settings** → **Call forwarding**.
2. Tap one of the following options:
   - **Always forward**: allows you to forward all voice calls.
   - **Forward when busy** allows you to forward voice calls to a designated number instead of your voice mail number if you are on another phone call.
   - **Forward when unanswered**: allows you to forward voice calls to a designated number instead of your voicemail number when there is no answer on your phone. You can also select the amount of time that the phone delays before forwarding.
   - **Forward when unreachable**: allows you to forward voice calls to a designated number instead of your voicemail number when you are not in an area covered by your service provider or when your phone is switched off.

Call Settings

To access the Call settings menu:

- From the Home screen, tap → → **Call settings**.

  – or –
- From the Home screen, tap → **Settings** → **My device** → **Call.**

For more information, refer to *"Call Settings"* on page 119.

Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Text Input Methods

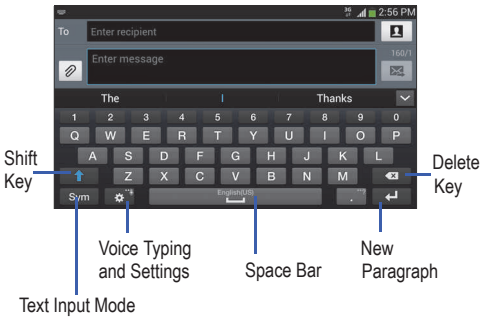
There are three text input methods available:

- **Samsung keyboard (default)**: Samsung's on-screen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Google Voice typing**: allows you to enter text by speaking.

To change the input method, see *"Keyboards and Input Methods"* on page 128.

Entering Text Using the Samsung Keyboard

From a screen where you can enter text, rotate your phone counterclockwise to a Landscape orientation. The on-screen QWERTY keypad will display.



Changing the Text Input Mode - Keypad

There are two main keypad layout keys that will change the on-screen keys within the QWERTY keypad.

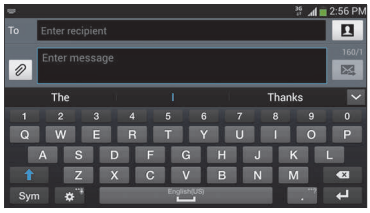
The available Text Input modes are: **Sym** and **Abc**.

Sym	**Symbol/Numeric Mode**: activates the symbol keys.
ABC	**ABC Mode**: activates the default alphabet keys. Can also be set to **Abc** or **abc** by using the shift (⬆) key.

Note: When in **Abc** mode, the **Sym** button will appear. When in **Sym** mode, the **Abc**/**ABC**/**abc** button will appear.

Using ABC Mode

1. If desired, rotate your phone counterclockwise to a Landscape orientation.
2. When you tap the **Enter message** field, the following screen displays:



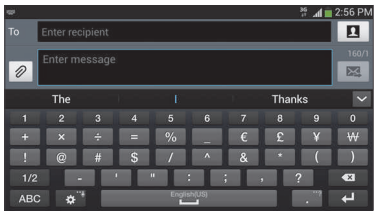
3. Tap the desired alphabetic characters.
4. The screen initially opens in ABC mode. After typing the first letter, the shift key (⬆) will change to ⬆ and following letters will be lowercase.
5. Tap ⬆ to input another upper-case letter or tap ⬆ twice to switch to ABC mode. The shift key will change to ⬆ in ABC mode. All following letters will be uppercase until you tap the shift key again.

Using Symbol/Numeric Mode

Use Symbol/Numeric Mode to add numbers, symbols, or emoticons.

1. Rotate your phone counterclockwise to a Landscape orientation.

2. Tap **Sym** at the bottom of the screen. The following screen displays:



3. Tap the desired number, symbol, or emoticon characters.
4. Tap the **1/2** button to access additional symbols.
5. Tap **ABC** to return to Abc mode.

Predictive Text

By using the Predictive Text option, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard. Predictive text is turned on by default.

1. Tap on the keyboard (if voice typing is on, press and hold then tap).
2. Tap the ON/OFF slider, located to the right of the **Predictive text** field, to .
3. In the text portion of the message screen, begin typing a word. A list of word options is displayed. Tap one of the words to replace the word that has already been typed or scroll the line of words to the left for more word choices.

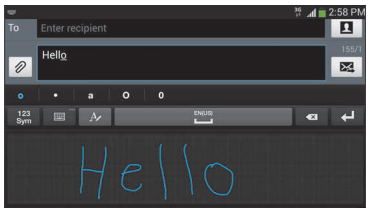
4. Continue typing your message. Tap to send the message or press for more options. For more information, refer to *"Creating and Sending Messages"* on page 92.

Note: You can also use Predictive Text mode in the portrait orientation.

Entering Text Using Handwriting

You can enter text simply by using your finger to handwrite letters on your screen.

1. Press and hold on the keyboard (if voice typing is on, press and hold).
2. From the keypad, tap .
3. Use your finger tip to write out each character. You can print or use cursive.
4. You can write out your entire message using the Handwriting feature or tap to switch back to Samsung keyboard mode.



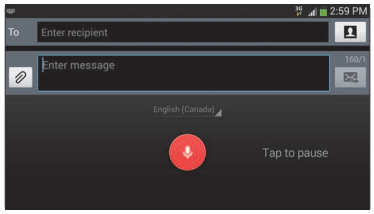
Samsung Keyboard Settings

For information on how you can configure your Samsung keyboard settings, see *"Samsung Keyboard settings"* on page 128.

Using the Google Voice Typing Feature

You can use your voice to enter text using the Google Voice typing feature.

1. Tap on the keyboard (if Samsung Keyboard is active, press and hold and tap).



2. At the **Speak now** prompt, speak clearly and distinctly into the microphone.
3. If the red microphone turns gray, then the feature has timed out and you should tap the microphone icon to start again.

The text is displayed in the message as you are speaking.

4. Tap to return to the keyboard.

Note: The feature works best when you break your message down into smaller segments.

Section 5: Contacts and Your Address Book

This section allows you to manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

Adding a New Contact

Use the following procedure to add a new contact to your Address Book.

Saving a Number from the Home screen

1. From the Home screen, tap **Contacts** ➔ .
2. At the **Save contact to** prompt, tap on **SIM**, **Phone**, or Account name.
3. Tap the image icon and assign a picture to the new entry by choosing one of three options:
   - **Image**: retrieve a previously stored image from your Gallery or from your My files folder and assign it to this entry. Tap an image to assign the image to the contact, then tap **Done**.
   - **Pictures by people**: retrieve a previously stored image from your Gallery.
   - **Take picture**: use the camera to take a new picture and assign it to this entry, then tap **Done**.
   - **S Memo**: assign part of the contents of an S Memo as the contact image.
   - **Remove**: deletes any previously assigned image on an existing contact.
4. Tap the **Name** field and use the on-screen keypad to enter the full name. For more information, refer to *"Entering Text"* on page 55.

   – or –

   Tap next to the **Name** field to display additional name fields.
5. Tap the **Phone number** field.

   The numerical keypad is displayed.

   The **Mobile** button Mobile initially displays next to the **Phone number** field. If you want to add a phone number that is not a mobile number, tap the **Mobile** button and select from Mobile, Home, Work, Work fax, Home Fax, Pager, Other, Custom (add your own label), or Callback.
6. Enter the phone number.

Tap to add another Phone number field or tap to delete a field.

7. Tap any of the following fields that you want to add to your new contact:
   - **Groups**: assign the contact to Not assigned, ICE - emergency contacts, Co-workers, Family, or Friends.
   - **Ringtone**: adds a field used to assign a message tone that will sound when messages are received from this contact.
   - **Message alert**: allows you to set the ringtone for your message alerts.
   - **Vibration pattern**: allows you to set the specific type of vibration.
   - **Add another field**: tap this button to add another field such as Phonetic name, Organization, Email, IM, Address, Notes, Nickname, Website, Internet call, Events, or Relationship.
8. Tap **Save** to save the new contact.

Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause will stop the calling sequence for two seconds and a wait will pause the calling sequence until you enter a number or press a key.

To add a pause or a wait to an existing Contact:

1. From the Home screen, tap **Contacts** , and then tap the name or number to open the Contact.
2. Tap to edit.
3. Tap the phone number field.
4. Tap the screen at the position where the pause or wait needs to be added.
5. Tap Sym.
6. Tap **Pause** to add a two-second pause or tap **Wait** to add a wait, and use the keypad to enter the additional numbers. A pause will be displayed as a comma (,) and a wait will be displayed as a semi-colon (;).
7. Tap **Save** to save your changes, or tap **Cancel** to discard.

Editing an Existing Contact

When editing an existing contact, you can tap a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, tap **Contacts** .

2. Press and hold the Contact that you want to edit.
3. Tap **Edit**.
4. Tap any of the fields to add, change, or delete information.
5. Tap **Save** to save the edited information.

Using Contacts

Dialing or Messaging from Address Book

Once you have stored phone numbers in the Address Book, you can dial them easily and quickly by either using their SIM card location number or by using the Search field to locate the entry.

From the Address book, you can also send messages.

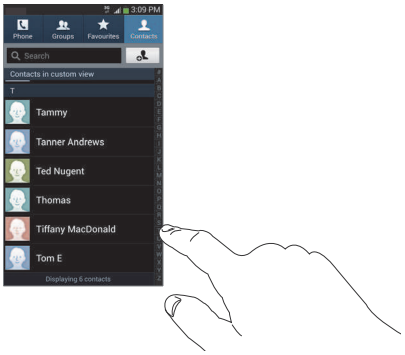
Finding an Address Book Entry

You can store phone numbers and their corresponding names onto your SIM card and phone's onboard memory. The two locations are physically separate but are used as a single entity, called the Address Book.

Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store and how they are stored may differ.

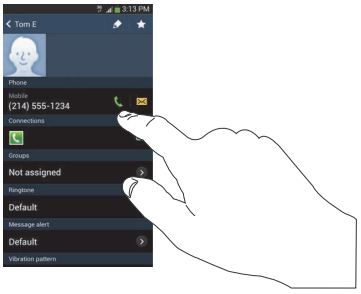
1. From the Home screen, tap **Contacts** .

2. Within the Contacts list (sorted alphabetically), tap a letter on the right side of the display to quickly jump to the contacts beginning with that letter.



3. Tap the contact you wish to call or message.

4. Tap the phone icon to make a phone call or tap the message icon to send a message.



For more information, refer to *"Creating and Sending Messages"* on page 92.

Tip: From the Contact list, sweep right over a listing to make a call. Sweep left over a listing to send a message.

Joining Contacts

Joining Contact Information

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts such as Facebook, Twitter, MySpace, Corporate email, and Google. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Yahoo! chat account, when you merge these accounts into your Contacts list you can join all of her entries and view the information in one record.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically update in your contacts list.

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 65.

1. From the Home screen, tap **Contacts** .
2. Tap a contact name (the name you want to join to another entry). **Note**: typically this is the same contact with a different name or account information.
3. Press ➔ **Join contact**.
   The contact list is displayed.

Note: Only contacts stored on your phone can be joined.

4. Tap the second contact entry (the entry in which to join). The second contact is now joined with the first and the account information is merged into one screen.

Note: The information is still maintained in both entries, but displays in one record for easier viewing when you join the contacts.

5. Tap area under the **Connection** bar to view the contact information you joined. The contacts and information displays with an icon next to the contact name to indicate what type of account information is contained in the entry.

Separating Joined Contact Information

1. From the Home screen, tap **Contacts** .
2. Tap a contact name (the account name from which you want to unlink an entry). **Note**: typically this is the same contact with a different name or account information.
3. Tap the area under the **Connection** bar.
4. Tap the minus sign next to the entry that you want to separate. The contact is now separated and no longer displays in the merged record screen.

Marking a Contact as Default

When you use messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application will be looking for the “default” number or entry.

1. From the Home screen, tap **Contacts** .
2. Tap a Contact name.
3. Press ➔ **Mark as default**. The Mark as default screen displays radio buttons next to the contact names or phone numbers of all the linked contacts. The radio button next to the default contact will be green.

4. To change the default contact, tap the radio button next to another entry that you want to be the default. The radio button will turn green, then tap **Done**.

Synchronizing Accounts

From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

1. From the Home screen, tap **Contacts** .
2. Press then tap **Accounts**.
   If you have previously added any accounts, the Sync settings prompt is displayed with your current accounts listed.
3. Tap an account that you would like to synchronize.
4. At the Sync settings screen, tap the options that you would like to synchronize for that account.
5. Tap Sync now to synchronize the account.
   The account is synchronized.
6. Press to return to the Contacts list.

Address Book Options

You can access Address Book options while at the main Address Book page or while in the details page for a specific entry.

Options in Address Book

1. From the Home screen, tap **Contacts** then press .
2. The following options are displayed:
   - **Delete:** allows you to delete 1 or more of your contacts.
   - **Import/Export**: allows you to move contacts to or from your memory card, USB storage or SIM card. You can also send a namecard via Bluetooth, ChatON, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Merge accounts**: merge with Google or Merge with Samsung.
   - **Accounts**: allows you to add and manage your Samsung, ChatON, Google, LDAP (Lightweight Directory Access Protocol), and Microsoft Exchange ActiveSync accounts. Tap Add account and then follow the on-screen instructions.

- **Speed dial setting**: allows you to set up speed-dialing. For more information, refer to *"Making a Call Using Speed Dial"* on page 45.
- **Send message/email**: allows you to send a text message, picture message or email.
- **Contacts to display**: You can choose to display all of your contacts or only display contacts on your Phone, SIM, or contacts stored to other accounts. You can also tap Customized list to change other options on how your contacts are displayed.
- **Settings**: allows you to choose set the following options:
  - **Only contacts with phones**: allows you to only display contacts that have phone numbers.
  - **Sort list by**: allows you to sort by First name or Last name.
  - **Display contacts by**: allows you to sort by First name or Last name first.
  - **Service numbers**: allows you to display or edit your service numbers.
  - **Contact sharing settings**: allows you to send all or individual contacts via Bluetooth in the form of namecards.
- **Help**: View information to help you use Contacts.

Options at Selected Contact Screen

1. From the Home screen, tap **Contacts** .
2. Tap a contact and at the contact's display screen, press .
3. The following options are displayed:
   - **History**: allows you to view the phone and message history for the contact.
   - **Edit**: allows you to edit the contact's information.
   - **Delete**: allows you to delete the contact from your Address Book.
   - **Join contact**: allows you to join contacts with other contacts.
   - **Separate contact**: allows you to separate contacts that have been joined.
   - **Mark as default**: when you have multiple contacts linked together, you can mark one of them as default (only displays when contact is saved to the phone). For more information, refer to *"Marking a Contact as Default"* on page 64.
   - **Share namecard via:** Send contact's namecard information via Bluetooth, ChatON, Email, Gmail, Messaging, or Wi-Fi Direct.

- **Add to/Remove from reject list**: allows you to add or remove the contact from your reject list. If they call while being on the reject list, the call will be sent directly to voice mail.
- **Print contact info**: allows you to print the contact's namecard to a Samsung printer using Wi-Fi.
- **Add shortcut to Home**: allows you to place a shortcut for this contact on your Home screen.

Groups

Adding a Contact to a Group

1. From the Home screen, tap **Contacts** .
2. Press and hold a contact that you would like to add to a group.
3. Tap **Add to group**.
4. Tap a group entry.
5. Tap **Done**.

   The contact is added to the group.

Removing a Contact From a Group

1. From the Home screen, tap **Contacts** ➔ **Groups** .
2. Tap a group entry.
3. Press ➔ **Remove member**.
4. Tap all of the contacts you want to remove from this group. A green checkmark will appear next to their name.
5. Tap **Done**.

   The contacts are now removed from the group.

Creating a New Group

1. From the Home screen, tap **Contacts** ➔ **Groups** ➔ ➔ **Create**.
2. Tap the **Group name** field and use the on-screen keypad to enter a new group name. For more information, refer to *"Entering Text"* on page 55.
3. Tap **Group ringtone** to choose a ringtone for assignment to this new group.
4. Tap **Message alert** to choose an audio file for assignment to this new group.
5. Tap **Vibration pattern** to choose an audio file for assignment to this new group.
6. Tap **Add member** to add contacts to the new group.
7. Tap each contact you want to add to create a checkmark. You can also tap **Select all**.

8. Tap **Done**.
9. Tap **Save** to save the new Group category.

Editing a Caller Group

To edit a Group entry, there must be at least one member as part of the selected group.

1. From the Home screen, tap **Contacts** ➔ **Groups** .
2. Tap a group entry.
3. Press ➔ **Edit**.
4. Make modifications to the **Group name**, **Group ringtone**, **Message alert** or **Vibration pattern** fields.
5. Tap **Add member** to add more contacts to this group.
6. Tap **Done**.
7. Tap **Save** to save the edited Group category.

Address Book Favourites

Once you have stored phone numbers in the Address Book, you can add them to your Favourites list.

To view your Favourites list:

- From the Home screen, tap **Contacts** ➔ **Favourites** .

Adding Favourites to your Address Book

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to add to your favorites list.
3. Tap **Add to Favourites** on the displayed list.
4. A gold star will appear next to the contact in the Address Book.

Removing Favorites from your Address Book

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to remove from your favorites list. Contacts in your Favorites list will have a gold star.
3. Tap **Remove from favorites** on the displayed list.
4. The gold star will no longer appear next to the contact in the Address Book.

Managing Address Book Contacts

You can copy, delete, and view the memory status for the Phone and SIM contacts on your phone.

Copying Contacts to the SIM Card

Note: When storing an Address Book entry into the SIM card, only the name, phone number, and email address are available as fields. Also, if you move the SIM card to another phone that does not support additional fields on the SIM card, this additional information may not be available.

1. From the Home screen, tap **Contacts** ➔ ➔ **Import/Export**.
2. Tap **Export to SIM card**.
   The phone then displays a list of your current phone contacts.
3. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to the SIM card.
   - Repeat this step for all individual entries you wish copied to the SIM or tap **Select all** to place a checkmark alongside all entries.
4. Tap **Done** to copy.
5. At the **Copy to SIM** display, tap **OK**.
   The selected numbers are copied to the SIM card.

Copying Contacts to the Phone

1. From the Home screen, tap **Contacts** ➔ ➔ **Import/Export**.
2. Tap **Import from SIM card**.
3. At the **Save contact to** prompt, tap **Device** or an account name that you would like to copy the contact to.
   The phone then displays a list of your current contacts stored on your SIM card.
4. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to your phone.
   - Repeat this step for all individual entries you wish copied to your phone or tap **Select all** to place a checkmark alongside all entries.
5. Tap **Done** to copy.
   The selected numbers are copied.

Deleting a Contact

You can delete Phone or SIM entries.

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to delete.

3. Tap **Delete** on the displayed list.

At the **Delete** prompt, tap **OK** to delete the contact or **Cancel** to exit.

Deleting Multiple Contacts

1. From the Home screen, tap **Contacts** → → **Delete**. The phone displays a list of your current contacts.
2. Tap the contacts to place a checkmark adjacent to those entries you wish to delete.
   - Repeat this step for all individual entries you wish deleted or tap **Select all** to place a checkmark alongside all entries.
3. Tap **Delete**.
4. At the **Delete Contact** prompt, tap **OK**.

   The selected contacts are deleted.

Using the Service Dialing Numbers

You can view the list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers may include emergency numbers, customer service numbers, and directory inquiries.

1. From the Home screen, tap **Contacts** → → **Settings**.
2. Tap **Service numbers**.
3. Scroll through the available numbers (if available).
4. Tap a number and the call is made.

Note: This menu is available only when your SIM card supports Service Dialing Numbers.

Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including Samsung Hub, Samsung Link, Music, Video, Play Movies, Gallery, Camera, and Camcorder.

Samsung Hub

Samsung Hub makes it easy to find, sample, and purchase movies, TV shows, books, games, and music, in one user-friendly location. With hundreds of titles available, entertaining your family on-the-go has never been easier. You can rent or purchase your favorite content and watch from any location. Samsung Hub is your gateway to mobile entertainment.

You must have an active Samsung Account to purchase and rent content via Samsung Hub.

Note: Samsung Hub usage is based on service availability.

Important! You must be using an active Wi-Fi/4G/LTE connection to preview and download a media file. The internal memory acts as a storage location for your downloaded rental or purchase.

Important! The Samsung account manages the access information (username/password) to several applications, such as Samsung Link, Chat On, and Samsung Hub.

Creating a New Samsung Hub Account

Before you can rent or buy media, you must first create an account. Enter the required information.

1. Confirm you have already logged in to your Samsung account.
2. From the Home screen, tap → **Samsung Hub** .
3. When prompted to connect via mobile networks, select either **Cancel** or **Connect**.
4. If notified your Samsung account is not yet active or verified, tap **OK**. You must be signed in to your Samsung account to use the application's various features.

Tip: In some cases it might be necessary to sign in to your Samsung account via the application. Press and then select Sign in.

Note: Your Samsung Hub account is managed by the Samsung account application. This application manages your user profile information.

5. Press → **Help** for additional information.

Using Samsung Hub

The main Samsung Hub screen provides an overview of all the available categories on one page such as: Music, Video, Books, and Games. The overview page also displays recently added media that you can rent or purchase.

1. From the Home screen, tap → **Samsung Hub** .
   - The Overview screen (landing page) displays an main access for all available categories and recently available content for purchase or rental.
2. Scroll across the screen to select from the following available pages:
   - **MUSIC**: displays featured Music content available for purchase/stream from the Music store & Radio. This page also allows you to search for new content, or navigate directly to the Music store page by clicking on the Music link at the top of the page.
   - **VIDEO**: displays featured film and TV content available for purchase/rent from the video store. This page also allows you to search for new content, or navigate directly to the Movie & TV store page by clicking the Video link a the top of the page.
   - **BOOKS**: displays featured Book content available for purchase from the Book store. This page also allows you to search for new content, or navigate directly to the Book store page by clicking the Books link a the top of the page.
   - **GAMES**: displays featured Game content available from the Game store. This page also allows you to search for new content, or navigate directly to the Game store page by clicking the Games link a the top of the page.
   - **LEARNING**: displays featured Learning content available from the Learning store. This page also allows you to search for new content, or navigate directly to the Learning store page by clicking the Learning link a the top of the page.

3. To purchase or view featured content in more detail, tap on any content (Thumbnail or text) to navigate to the product detail page.
4. Depending on the content, you can either purchase, rent, or stream the content directly from the product detail page.
5. Choose a payment method, then follow the on-screen instructions.

Samsung Hub Notices

- Any media item (Media Content) may be rented or purchased after you create an account in Samsung Hub.
- Media Content that is purchased and downloaded may be viewed concurrently on up to five (5) devices with Samsung Hub (or "the service") that are also registered to the same account.
- You may remove a device from your account no more than once every 90 days.
- You may remove Media Content from a device as many times as you'd like. You will have the ability to re-download the Media Content later subject to content re-download availability and content provider permissions.
- You may need network coverage to access Media Content you have acquired through the Service.
- You can use 3G, 4G, LTE or Wi-Fi connectivity to download Media Content.
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account at a time.
- Media Content is downloaded and saved to your authorized device's SD card. No SD Card included out of box.
- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching Media Content within the time limit set out for each piece of content (which may be as short as 24 consecutive hours).
    - Stopping, pausing or restarting rented Media Content does not extend the available viewing time.

- In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (e.g., if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).

- Unless otherwise restricted by the Content Providers, you can download Media Content to your TV using HDMI connections; otherwise, you cannot play Media Content downloaded from your mobile device output.

Samsung Link

This application wirelessly synchronizes your Samsung device with your TV, streams content, and even keeps tabs on who calls or sends text messages with real-time, on-screen monitoring. Samsung Link makes staying connected easy.

Samsung Link allows users to share their in-device media content with other external devices using DLNA certified™ (Digital Living Network Alliance) Devices. These external devices must also be DLNA-compliant. Wi-Fi capability can be provided to TVs via a digital multimedia streamer.

Important! You must first connect both of your communicating devices to the same Wi-Fi and be using an active/registered Samsung account prior to using this application. For more information, refer to *"Wi-Fi Settings"* on page 106. For more information, refer to *"Creating a Samsung Account"* on page 9.

1. From the Home screen, tap ➔ **Samsung Link** .
2. Tap **Sign in** to sign into your Samsung Account if you have not already done so.
3. If prompted, read the on-screen message about network charges and tap **OK** to continue and return to the main Samsung Link screen.
4. Tap **Start** and follow the on-screen prompts.
5. Scroll across the application screen to view either **MY RECENT CONTENT** or **DEVICES & STORAGE**.

6. The DEVICES & STORAGE screen contains two separate streaming media options:
   - **Registered storage**: allows you to receive and playback media stored externally (server, laptop, etc.) directly on your device by allowing you to add a Web storage service for streaming content.
   - **Registered devices**: allows you to stream/share selected multimedia content from your device to DLNA compliant device connected to the same Wireless Access Point.

Configuring Samsung Link Settings

Samsung Link must first be configured prior to its initial use. You must setup parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

1. From the Home screen, tap → **Samsung Link** .
2. Press and then tap **Settings** and configure the following settings as desired:
   - **Refresh:** allows you to refresh the screen.
   - **Register storage**: allows you to add a Web storage location. Without a storage service/location added, you will not be able to use Samsung Link.
   - **Settings**:
     - **Registered storage:** allows you to add a Web storage location. Without a storage service/location added, you will not be able to use Samsung Link.
     - **My device**: displays your device name as it is used with Samsung Link. Tap to change the device name.
     - **Save to**: allows you to save your media to your internal phone memory or to an SD card.
     - **Auto Upload**: allows you to setup automatic upload of images from your device to those storage locations specified within the Web storage list. Touch and slide the slider to the right to turn it on .
     - **Video optimization**: allows you to setup the video quality for streamed video content. Touch and slide the slider to the right to turn it on .
     - **Password lock**: allows you to restrict access to Samsung Link by requiring a user enter the currently active and associated Samsung account password. Touch and slide the slider to the right to turn it on .
     - **My account**: displays Samsung account information.
     - **Customer support**: allows you access to Help information.

– **About this service**: displays version and license information about Samsung Link.

Sharing Media via Samsung Link to a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

1. Launch Samsung Link on the target device (such as an Internet TV, Samsung Tablet, etc.).
2. From the Home screen, tap → **Samsung Link** .
3. Tap your device name from the **Devices** list.
4. Tap an available category tab (Pictures, Music, Movies, Files) and select a file.
   - Touch and hold to select multiple files.
   - A file with in the upper-left indicates it is stored remotely on a web storage location. Selecting this media causes your device to access the file currently stored on your services' servers.
5. Tap an available on-screen file, image, or video to place a green check mark alongside it.
6. Tap (**Stream to connected devices**) to begin streaming the selected files.
7. On a target device (for example, an Internet TV) select the on-screen **Allow** button to continue.

Note: At this stage your device is requesting access to share media with the external source.

Confirm (**AllShare Controller enabled**) appears in the Notification area at the top of the device to indicate you are using your device as the media source.

Music

Music is an application that can play music files. It supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. Tap → **Music** .
2. Tap a library category at the top of the screen (Songs, Playlists, Albums, Artists, Music square, Folders or Nearby Devices) to view the available music files.

3. Scroll through the list of songs and tap an entry to begin playback.
4. Tap in the control bar to view all music player controls.
5. The following Music controls are available:

Pause the song.

Start the song after being paused.

Press and hold to rewind the song. Tap to go to previous song.

Press and hold to fast-forward the song. Tap to go to next song.

Volume control.

Volume control showing volume muted.

Repeat one: repeats the currently playing song.

Repeat all: replays the current list when the list ends.

Play All: plays the current song list once.

Shuffle On: the current list of songs are randomly shuffled for playback.

Shuffle Off: songs play in order and are not shuffled.

Lists the current playlist songs.

Displays the current song in the player window.

Assign the current song as a Favourite.

Streams the current music file to another device via Samsung Link.

Music Options

To access additional options, follow these steps:

1. While playing music, press .
2. The follow options are available:
   - **Via Bluetooth**: scans for devices and pairs with a Bluetooth headset.
   - **Share music**: allows you to share your music using Group Play.
   - **Add to playlist:** allows you to add the current music file to a selected playlist.
   - **Set as:** allows you to set a music file to Phone ringtone, Caller ringtone, or Alarm tone.

- **Show Music view**:
- **Settings**: allows you to change your Music Player settings. For more information, refer to *"Music Settings"* on page 78.
- **Details**: allows you to view media info such as Artist, Title, Biography, and other information.
- **End**: allows you to end the Music Player app.

Music Settings

The Music Settings menu allows you to set preferences for the Music Player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From the Home screen, tap ➔ **Music**.
2. Press ➔ **Settings**.
3. Select one of the following settings:
   - **SoundAlive**: set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, etc.
   - **Adapt Sound**: allows you to hear incoming calls and notifications when your are listening with earphones.
   - **Play speed**: set the play speed anywhere between 0.5X and 2.0X using the slider.
   - **Music menu**: this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.
   - **Music auto off**: when activated, music will automatically turn off after a set interval.
   - **Lyrics:** displays lyrics (when available).
   - **Smart volume**: automatically adjusts each track's volume to an equal level.
   - **Voice control**: allows you to use voice commands to control the Music player.

Using Playlists

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music Player options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. From the Home screen, tap ➔ **Music**.

2. Tap the **Playlists** tab.
3. Press → **Create playlist**.
4. Type a name for this playlist in the field and tap **OK**.

Adding Music to a Playlist

To add files to the playlist:

1. From the Home screen, tap → **Music**
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to add music.
4. Tap **Add music**.
5. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Done**.

Removing Music from a Playlist

To remove music files from a playlist:

1. From the Home screen, tap → **Music**
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to delete music.
4. Press → **Remove**.
5. Tap the checkbox to the left of each track you want to remove from this playlist, or tap **Select all** to remove all the music tracks from this playlist, then tap **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also rename the playlist.

To edit a playlist:

1. From the Home screen, tap → **Music Player**.
2. Tap **Playlists**.
3. Press → **Edit title**.
4. Tap a playlist name to edit.
5. Enter a new name for the playlist then tap **OK**.

Google Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC.

1. From the Home screen, tap → **Play Music**
2. All music on your device and external SD card is displayed, including Music folders that contain multiple songs.
3. Tap a song to start playback.

4. From the main Play Music screen, you can tap any of the following tabs for a more detailed listing of songs: Playlists, Recent, Artists, Albums, Songs, and Genres.
5. Tap for the following options:
   - **Shuffle all**: allows you to play all of your music in a shuffled order.
   - **Settings**: allows you to view Open source licenses and the music version for the Play Music application.
   - **Help**: allows you to view a help file on the Google Support website.

Video

The Samsung Video application plays video files stored on your microSD card.

1. Tap → **Video** .
2. All videos that you have on your phone and memory card will be displayed. Tap the video that you want to play.
3. The video will begin to play.
4. The following video controls are available:

Pause the video.

Start the video after being paused.

Press and hold to rewind the video. Tap to go to previous video.

Press and hold to fast-forward the video. Tap to go to next video.

Volume control.

PIP (Picture In Picture) view. The video will be played in a small window so you can use your phone for other purposes while watching the video. Double-tap screen to return to previous size.

Original size view. The video will be played in its original size.

Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.

Full-screen view. The entire screen is used, which may cause some minor distortion.

Stream media to paired device using the Samsung Link application.For more information, refer to *"Samsung Link"* on page 74.

Note: The screen view icons are a three-way toggle. The icon that is displayed, is the mode that will appear after the icon is tapped.

For more information on downloading videos for your phone, see *"Samsung Hub"* on page 179.

Play Movies

With Google Play Movies, you can rent thousands of different movies. You can watch instantly, or download your movie for offline viewing at a later time.

1. From the Home screen, tap ➔**Play Movies** .
2. Log on to your Google account if you have not already done so.
3. Following the on-screen instructions for renting and viewing movies and TV shows.
4. Tap the **MOVIES** tab to view movies you can rent.
5. Tap the **PERSONAL VIDEOS** tab to view movies you have on your phone or memory card.
6. Press for additional options.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

1. Tap ➔ **Gallery** .
   All of the Albums that hold your pictures and videos will be displayed with folder name and number of files.
2. Tap an Album and thumbnails of the contents will be displayed.

Note: If your device displays that the memory is full when you access Gallery, delete some of the files by using **My files** or other file management applications and try again. For more information, refer to *"My Files"* on page 170.

Viewing Pictures

1. From the main gallery, Press ➔ **Slideshow** to see a slideshow of all of your pictures.

2. Tap a thumbnail to view a single picture.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

3. The following options are available at the top of the screen:
   - **Share via**: allows you to share the picture via Group Play, Bluetooth, ChatON, Dropbox, Email, Flipboard, Gmail, Google+, Messaging, Picasa, S Memo, or Wi-Fi Direct.
   - **Edit** allows you to edit the picture, including Rotate, Crop, Colour, Effect, Portrait, Sticker, Drawing, and Frame.
   - **Delete**: allows you to delete the picture.
4. Press for additional options.

Viewing Videos

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap to play the video.
3. Press for additional options.

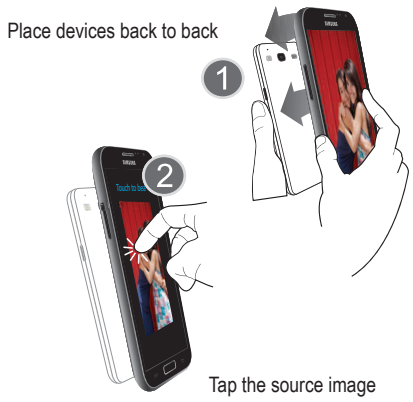
For video player controls, see *"Video"* on page 80.

Using S Beam to Share Pictures

This feature (when activated via NFC) allows you to beam large files directly to another compatible device that is in direct contact. These files can be larger, such as Videos, HD pictures, and other large files.You can beam images and videos from your gallery, music files from your music player, and more.

1. From the Home screen, tap ➔ **Settings** ➔ **Connections** ➔ **NFC**.
2. If not already active, in a single motion touch and slide the **NFC** slider to the right to turn it on .
3. Tap **S Beam** and make sure the feature is turned on.
4. If not already active, in a single motion touch and slide the **S Beam** slider to the right to turn it on .
5. On the source device (containing the desired image or video), tap ➔ **Gallery**.
6. Locate and tap the selected image to open it in the preview window.

Important! Neither device must be in Lock mode or displaying the Lock screen. They must both be active and unlocked. It is recommended that the target device be on the Home screen.



7. Place the two active NFC-enabled devices back to back to begin (1).

Note: If the **Touch to beam** screen does not appear on the source device:
- Pull them apart
- Verify the image is visible in the preview window on the source device (providing the file)
- Place them together again

8. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer (2).
9. When prompted, separate the two devices. After a few seconds (depending on file size) the recipient will then see the transferred file displayed on their screen.

To share multiple pictures via S Beam:

1. On the source device (containing the desired image or video), tap → **Gallery**.
2. Locate the selected folder.
3. Touch and hold the first image and place a checkmark on it and all desired images.

4. Place the two active NFC-enabled devices back to back to begin.
5. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer.

   When prompted, separate the two devices.

Camera

This section explains how to use the camera on your phone. You can take photographs and shoot video by using the built-in camera functionality. Your 13 megapixel camera produces photos in JPEG format.

Important! Do not take photos of people without their permission.

Do not take photos in places where cameras are not allowed.

Do not take photos in places where you may interfere with another person's privacy.

Using the Camera

Taking Photos

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

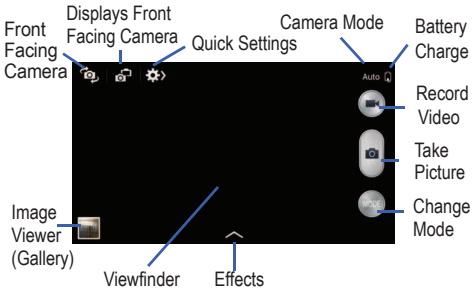
Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

1. From the main Home screen, tap ➔ **Camera** to activate the camera mode.
2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
3. Before you take a picture, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).

   – or –

   Pinch the screen to zoom out or pinch outwards to zoom in.
4. If desired, before taking the photo, you can tap on-screen icons to access various camera options and settings.

5. You can also tap the screen to move the focus to the area you touch.
6. Press the Camera key ( ) until the shutter sounds. (The picture is automatically stored within your designated storage location. If no microSD is installed, all pictures are stored on the Phone.)



7. While viewing a picture, after you have taken it, pinch the screen outwards to zoom in or pinch the screen inwards to zoom out.

   You can magnify the picture up to x4.

8. Press to return to the viewfinder.

Camera Modes

There are various camera modes that you can use depending on the conditions and your experience.

1. From the camera viewfinder, tap the Mode button to change the mode to one of the following:
   - **Auto:** Automatically adjust exposure to optimize colour and brightness of pictures.
   - **Beauty face**: Use this to take photos with softened faces for gentler images.
   - **Best photo**: Use this to take multiple photos in a short time, and then choose the best photos among them. Press the Shutter button to take multiple photos. When Gallery opens, tap and hold thumbnails of photos to save, and then tap **Save**.
   - **Best face**: Use this to take multiple group shots at the same time and combine them to create the best possible image. Press the Shutter button to take multiple photos. When Gallery opens, tap the yellow frame on each face, and choose the best individual face for the subject. After choosing a pose for each individual, tap Done to merge the images into a single photo, and tap **Save**.

– **Sound & shot**: Enrich pictures by adding a few seconds of background sound.
– **Drama**: Take a series of pictures of a moving subject and merge them into one picture.
– **Animated photo**: Create a picture in which a few selected objects move by freezing or animating moving objects automatically detected by the device.
– **Rich tone (HDR)**: Use this to take photos with richer colours and contrasts (High Dynamic Range).
– **Eraser**: Save the best picture after erasing moving objects from 5 consecutive pictures.
– **Panorama**: Use this to take wide panoramic photos. Press the Shutter button to take a photo, and then move the camera in any direction. When the blue frame aligns with the preview screen, the camera automatically takes another shot in the panoramic sequence. To stop shooting, press the Shutter button again.
– **Sports**: Use this to take photos of subject moving at high speed.
– **Night:** Use this to take photos in low-light conditions, without using the flash. Press the Shutter button to take multiple photos. Photos are automatically merged into a single photo.

Quick Settings

Tap at the top of the display to quickly change Camera settings. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

Configure Camera settings.

Activate or deactivate the flash.

Auto night detection (adjusts live view).

Activate or deactivate the voice control to take photos.

Select a resolution for videos.

Activate or deactivate the sharing options.

Hide Quick settings.

Camera and Camcorder Settings

This section describes the different settings that you can configure on your camera. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

1. From the viewfinder, tap ➔ (Camera Settings).
2. The follow settings are located under the Camera, Camcorder and General tabs. The settings that are displayed will depend on what camera mode you are in.

Camera:

- **Photo size**: Select a resolution for photos. Use higher resolution for higher quality. Higher resolution photos take up more memory.
- **Burst shot**: Take multiple shots in quick succession by tapping and holding the Camera key.
- **Face detection**: This option places the focus on any faces that are detected when you take a photo.
- **Metering**: Select the area of the image where exposure is measured (Centre-weighted, Matrix or Spot).
- **ISO**: determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.
- **Anti shake**: Compensates for camera movement.
- **Auto night detection**: Camera detects low light and automatically adjusts live view, allowing you to take pictures at night without using the flash.
- **Save as**:

Camcorder:

- **Video size**: Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory.
- **Video stabilization**: Activate or deactivate Optical Image Stabilization.

Settings:

- **GPS tag**: Attach a GPS location tag to the photo. To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions. Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
- **Review**: Set this option if you want to view each picture after you take it. Select a time value.
- **Volume key**: Choose whether the volume keys act as The Zoom Key, The camera key or The record key.
- **Timer**: Use this for delayed-time shots. You can set the timer to Off, 2 sec, 5 sec, or 10 sec.
- **White balance**: Select an appropriate white balance, so images have a true-to-life colour range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.
- **Exposure value**: allows you to adjust the brightness level by moving the slider.
- **Guidelines**: Display viewfinder guides to help composition when selecting subjects.
- **Flash**: Activate or deactivate the flash.
- **Voice control**: Allows you to take pictures using voice commands Smile, Cheese, Capture and Shoot.
- **Contextual filename**: allows you to have your location added as part of the filename. You must first activate GPS tag described above.
- **Save as flipped**: when set to On, this option allows you to take and save a mirror-image video when using self-recording mode.
- **Storage**: Select the memory location for storage.
- **Reset**: Reset the camera settings.

Viewing your Pictures

After you take a photo, you can access various options from the Image Viewer. The Image Viewer uses your Gallery. For more information, refer to *"Gallery"* on page 81.

Editing a Photo

You can edit your photos using the built-in Photo editor application on your device. The photo editor application provides basic editing functions for pictures that you take on